

METHOD AND SYSTEM FOR AUTHORIZING A CLIENT COMPUTER TO ACCESS A SERVER COMPUTER

Abstract of the Disclosure

5 The present invention includes a client computer, a first server computer, and a
second server computer. The first server provides an authorization ticket containing a
time stamp to the client computer when the client computer is authorized to access the
first server. An elapsed time counter is started at the client computer when access is
provided to the first server. When a request is received at the client computer to access
10 the second server, the client computer determines the session length based upon the
elapsed time counter. The client computer calculates a hash value for the authorization
ticket, the session length, and a secret shared with the second server computer. The
client computer transmits a login request to the second server including the authorization
ticket, the session length, and the hash. The second server decrypts the authorization
15 ticket and retrieves a copy of the shared secret. The second server executes a hash
function on the authorization ticket, the session length, and the shared secret. The
second server then compares the computed hash to the hash value received from the
second client application. If the two hash values are identical, the second server
retrieves the time stamp from the authorization ticket and adds the session length to the
time stamp. The second server then compares the resulting value to the current time. If
20 the resulting value and the current time are within a preset threshold value, the client
computer is provided.